DOCUMENT RESUME

ED 285 097 CG 020 140

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TITLE Teen Outreach: Data from the Second Year of a National Replication.
PUB DATE Dec 86
NOTE 77p.; A program of the Association of Junior Leagues. Paper presented at the Annual Children's Defense Fund National Conference (Washington, DC, March 11-13, 1987).
PUB TYPE Reports - Research/Technical (143) -- Speeches/Conference Papers (150)

EDRS PRICE MF01/PC04 Plus Postage.
DESCRIPTORS Birth; Comparative Analysis; *Dropout Rate; High Schools; *High School Students; *Pregnancy; *Prevention; *School Activities; *School Community Relationship; Voluntary Agencies

ABSTRACT

Teen Outreach is a school-based teenage pregnancy prevention program designed to decrease the incidence of teenage pregnancy and to increase the number of at-risk teenagers who successfully complete their high school education. Begun in 1981 in St. Louis, Missouri, Teen Outreach was implemented as a national replication study in 1983. There are currently over 50 Teen Outreach programs involving over 900 students in the United States and Canada. Teen Outreach monitors its success by using five behaviors as outcome measures (failure, suspension, dropping out of school, pregnancy, live birth). Each site completes common forms and recruits a comparison group of students. The results of the Teen Outreach evaluation in 1984-85 showed significantly fewer pregnancies among its students than among the comparison group. Teen Outreach students were also significantly less likely to have failing grades in school than were compariosn students. Among students in the 1985-86 program, three significant advantages appeared among Teen Outreach participants as compared with the comparison students: Teen Outreach students had fewer pregnancies, fewer live births, and a lower dropout rate. In 2 years of the national replication effort, Teen Outreach has been able to show significantly fewer pregnancies among its participants than among comparison students, and a reduced school drop-out rate. This latter advantage appears to persist even one year after exposure to the program. (NB)

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ED285097

December 1986

TEEN OUTREACH:

DATA FROM THE SECOND YEAR OF A NATIONAL REPLICATION

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SUMMARY

This report presents data from the second year of the national replication of Teen Outreach. In 1985-86 Teen Outreach was offered to 444 students in 23 national sites and in one site in Canada. Teen Outreach seeks to prevent early pregnancy and to promote school completion.

Offered in both high schools and junior high schools, Teen Outreach is given both during and after school, and is being offered at some sites for school credit and at others without such credit. Facilitators use a standard curriculum and young people are expected to do volunteer work in their communities.

To evaluate the impact of Teen Outreach, local comparison groups of students are recruited at each site. In 1985-86, 542 such students were recruited for this purpose. These students did not differ from Teen Outreach students in their gender, age, grade, number of sibings, living arrangements, education of their parents, or on baseline measures of the program outcome variables.

Teen Outreach monitors its efforts by using five behaviors as outcome measures: failure, suspension, and dropping out of school and the occurence of pregnancies and live births.

During 1985-86, data indicate that Teen Outreach students were significantly less likely than comparison students to become pregnant, to have a live birth, or to drop out of school. Site-to-site variation in these results appears to be related to number of volunteer hours worked by students and actual hours spent in the program.

Analysis of data from the 1984-85 cohort of Teen Outreach

participants indicates that at one year after enrollment in the program, Teen Outreach students are significantly more likely than comparison students to be in school or to have graduated.

These results are unique for a program of this kind since they utilize behavioral indicators of program success and are based on local comparison strategies. Moreover, this is the second year in which Teen Outreach has been able to demonstrate significant impacts on school progress and pregnancy prevention.

Introduction

Teen Outreach is a school-based program for adolescents designed to prevent early pregnancy and to encourage regular progression in school. The program began in St. Louis but by 1984-85 it existed in eight cities in the nation because of a national replication effort. These cities were: Cocoa-Titusville, Florida; Holyoke, Massachusetts; Rochester, New York; Cincinnati, Ohio; Minneapolis, Minnesota; Chicago, Illinois; St. Louis, Missouri, and Yakima, Washington.

By 1985-86 Teen Outreach had spread to 24 sites in 16 cities. In addition to the locations named above, Teen Outreach sites were found in Omaha, Nebraska; Greensboro, North Carolina; Merritt Island, Florida; Springfield, Massachusetts; Orange County, New York; St. Joseph and University City, Missouri; and Winnipeg, Canada. Yet other sites were established in new schools in the original cities.

Teen Outreach seeks to reach its goals through a combination of small group discussion strategies, using a unique curriculum, and by providing volunteer service experiences in the community for its young participants.

The evaluation design for Teen Outreach depends on the utilization of common forms at all sites. Each site must also recruit a comparison group at the start of the school year. These comparison students are generally named by the program participants as young people they know who might have filled out the intake forms "about like you did." At some sites, the comparison students were recruited as a group from other classes.

In two years of using this strategy it has been successful in producing a control group with demographic characteristics similar to those of the Teen Outreach participants.

This design has at least two weaknesses, however. First, the design does not control for any selectivity factor which may exist among Teen Outreach participants and cause them to register for Teen Outreach. Secondly, since comparison students are potentially friends of program participants, some "contamination" of the comparison group may occur as Teen Outreach participants share their experiences. These two potential biases in the evaluation design operate in opposite directions. The selectively factor should make the program appear more successful than it truly is, while the contamination problem should cause program impacts to be understated. We are hopeful that there is, therefore, some balancing of these effects.

Since the goals of Teen Outreach are the prevention of early pregnancy and births and the promotion of regular progression in school, the evaluation monitors the following outcome variables among both participants and comparison students: school suspension, failure of courses in school, dropping out or remaining in school, pregnancies, and live births. The evaluation strategy is thus, somewhat unique for a school-based program of this kind in that it measures only behavioral outcomes, neglecting the traditional emphasis on participant testimonials, knowledge, and attitude change. As such, the evaluation of Teen Outreach is relatively demanding.

Since data are gathered at one-year intervals, however, the evaluation could suffer if loss of participants or comparison

students is extensive. As reported in Appendix A, this loss has been extraordinarily low in Teen Outreach, owing to the diligence with which local site facilitators maintain location data on their students. An additional advantage of the evaluation design is that at least some of the outcome data are available from school records, should a student be unavailable for interview. In 1985-86, end of the year data were lacking on only 39 students, or 4 percent. Of these, 13 were participants and the remainder were comparison students.

This report includes outcome data from the second year of the Teen Outreach national replication effort, both for the national sample and for each individual Teen Outreach site. In addition, for the national sample, the report examines what variations in the implementation of Teen Outreach seem to be related to success in achieving the desired outcomes. Finally, the report also includes one-year follow-up data for those young people who were enrolled in Teen Outreach in 1984-85.

Implementation of the Program

Even though the dissemination of Teen Outreach proceeds through a coordinated, national replication effort, the existence of a program at 22 different sites necessarily implies variation. Table 1 indicates, for example, that at 15 Teen Outreach sites, the program is an after-school effort, while at the other 7 sites in 1985-86, Teen Outreach was held during the regular school day.

Similarly, while 13 sites offer school credit for participation, 9 do not. The average number of hours spent in the program by Teen Outreach students varies from 20.3 to 98.2, with an average of 27.7 hours over the course of the year during which the program is offered.

The number of volunteer hours worked by students also shows variation from site to site, with a high of 84.8 hours at Sperry High School in Rochester, New York and a low of 2.1 hours in Holyoke, Massachusetts.

The Teen Outreach curriculum includes 11 different units, listed in Table 2. As indicated in the table, there is also variation in how much of this curriculum is used and the emphasis placed on each unit by local facilitators. Units most likely to be neglected include those on parenting and human growth and development. Since these units appear close to the end of the curriculum, this neglect could be a function of the subject matter of these units or their placement in the curriculum. Overall, however, facilitators seem to be using "a lot" or "almost all" of the curriculum as originally designed.

TABLE 1: PROGRAM CHARACTERISTICS AT EACH SITE

Site	After/ During School	Credit/ Non-Credit	Avg. # Hrs. in Program*	Avg. # Volun. Hrs. Worked*
TOTAL	15A 7D	13C 9N	27.7	23.0
CANADA				
Winnipeg	A	C	41.5	29.8
FLORIDA				
Cocoa-Titusville	A	N	40.5	51.4
Merritt Island	A	N	20.3	4.6
ILLINOIS				
Chicago	A	N	53.4	31.5
MASSACHUSETTS				
Holyoke-Collins	A	N	54.7	19.4
Holyoke-Latham	A	N	48.8	2.1
Springfield	D	C	35.5	13.0
MINNESOTA				
Minneapolis-Henry	D	C	29.7	13.3
Minneapolis-South	D	C	62.6	36.5
MISSOURI				
St. Joseph	A	N	39.1	36.0
University City	D	N	25.5	9.0
NEBRASKA				
Omaha	A	N	52.5	29.9
NEW YORK				
Rochester-Sperry	D	C	70.2	84.8
Rochester-Charlotte	D	C	47.1	14.6
Orange County	A	C	55.4	45.5
NORTH CAROLINA				
Greensboro	D	C	72.8	23.3
OHIO				
Cincinnati-Aiken	A	C	76.8	58.0
Cincinnati-Bloom	A	C	45.3	47.2
Cincinnati-Merry	A	N	68.5	50.2
Cincinnati-Withrow	A	C	78.8	29.5
WASHINGTON				
Yakima-Davis	A	C	98.2	30.3
Yakima-Franklin	A	C	84.0	22.9

*Calculated from data reported for each individual student and then averaged for each site.

TABLE 2: USE OF THE CURRICULUM AT EACH SITE, 1985-86

Curriculum Unit	Of this unit, facilitator used-- none	a little	a lot	almost all
Orientation	0	4	8	10
Volunterring	0	7	11	7
Understanding yourself	0	1	10	11
Values	0	1	14	7
Life pressures	1	5	10	6
Family	1	5	11	5
Relationships	0	2	11	9
Human growth/development	2	3	12	5
Parenting	4	8	7	3
Issues in parenting	2	9	9	2
Community resources	1	9	9	3

Characteristics of Participants and Comparison Students

Table 3 offers data on the demographic characteristics of the 1985-86 national sample of Teen Outreach participants and comparison students, as well as baseline measures of program outcome variables. There were 444 students enrolled in the program during the year and facilitators recruited 542 comparison students. Fortunately, there are no statistically significant differences between the two samples on any of the variables measured.

About three quarters of the Teen Outreach students are females, and their average age is 15 years. Since Teen Outreach is implemented in both junior and senior high schools, the ranges of both age and grade are substantial.

Average number of siblings for the students is 2.9 and a slight majority are white. About 35 percent of the Teen Outreach students are black, with another 8.5 percent Hispanic. The students with race/ethnicity listed as "other" as mostly Asian and a few are Native Americans.

Some 42 percent of the participants live with someone other than a mother and a father, most of these living only with a mother. About two-thirds of the parents of these young people have a high school education or less.

During the year before enrolling in Teen Outreach, 43 percent of the students had failed a course, 20 percent had been suspended, and 4 percent had already been pregnant. Teen Outreach is a primary prevention program and intentionally limits the number of those with prior pregnancies.

TABLE 3: TEEN OUTREACH PROGRAM PARTICIPANTS AND COMPARISON STUDENTS AT ALL SITES, 1985-86

Characteristics	Participants Percent (N=444)	Comparison Students Percent (N=542)
Sex		
males	24.2	27.0
females	75.8	73.0
Age		
11-13	8.3	8.0
14-15	58.7	59.3
16-18	33.0	32.7
Average	15.0	15.1
Grade		
7-8	10.4	11.9
9	37.7	41.7
10	23.1	22.1
11	17.0	13.9
12	11.8	10.4
Average	9.8	9.7
Number of Siblings		
0-1	29.3	26.5
2-4	50.2	56.3
5 or more	20.5	17.2
Average	2.9	2.9
Race/ethnicity		
Black	34.7	31.5
White	52.9	53.2
Hispanic	8.5	10.6
Other	4.0	4.7
Mostly lived with		
Mother and father	58.4	58.7
Other arrangement	41.6	41.3
Mother's education		
High school graduate or less	66.1	71.6
More than high school	33.9	28.4
Father's education		
High school graduate or less	66.5	68.1
More than high school	33.5	31.9
Failing grades last year		
no	56.6	59.7
yes	43.4	40.3

TABLE 3 (con't)

Characteristics	Participants Percent (N=444)	Comparison Students Percent (N=542)
Suspended last year		
no	79.9	80.5
yes	20.1	19.5
Pregnancies		
none	95.7	95.3
one or more	4.3	4.7
Children		
none	97.6	97.6
one or more	2.4	2.4

[1] Percentages in this table are based on those who responded to each item.

Outcomes Among the National Sample

Table 4 displays the percentages of Teen Outreach participants and comparison students who failed courses, were suspended, dropped out of school, became pregnant or had a live birth during the 1985-86 school year. The column labeled "Total" includes all students in Teen Outreach, regardless of how much exposure to the program they actually had.

Even using such an unrefined comparison reveals that Teen Outreach students were significantly less likely than comparison students to drop out of school (3.3 vs. 8.2%), to become pregnant (3.5 vs. 6.6%), and to have a live birth (0.9 vs. 3.5%). Teen Outreach participants were also less likely, but not significantly so, to have failing grades during the year. There is very little difference in the suspension percentage between the Teen Outreach and comparison students.

If some Teen Outreach participants are eliminated from the comparison, these differences become more dramatic. For example, in Column 3 of Table 4, Teen Outreach participants who attended the program less than 25% of the time, are deleted. When these students with a "low dose" of the program are eliminated, Teen Outreach students have lower percentages on all five of the outcome variables than do comparison students.

The final comparison in Table 4 deletes Teen Outreach participants who did not actually work any volunteer hours during their year in the program. Again, the advantage of the Teen Outreach students over the comparisons widens, and all outcomes are the in the expected direction. Moreover, the difference in percentages failing a course becomes statistically significant.

TABLE 4: COMPARISON OF OUTCOME MEASURES BETWEEN TEEN OUTREACH PARTICIPANTS AND COMPARISON STUDENTS AT ALL SITES, 1985-86

		Teen Outreach		
	Comparison Students	Total	Attendance 25% +	Some Volunteer Hours Worked
Total Number	541	444	357	331
Failing grades this year	44.0	41.9	38.0	36.6*
Suspended this year	19.6	20.2	18.0	15.3
Dropped out or plan to	8.2	3.3**	2.0***	1.3***
Pregnant this year	6.6	3.5*	2.8*	1.9**
Live birth this year	3.5	0.9**	0.6**	0.3**

*Difference between participants and comparison students is statistically significant at the .05 level.
**Difference between participants and comparison students is statistically significant at the .01 level.

Note: In column 3 of this table, students who attended Teen Outreach less than 25% of the time have been deleted.

In column 4, students who did not work any volunteer hours have been deleted.

It might be expected that becoming pregnant during the year would show a strong relationship to dropping out of school. If this is so, then perhaps these outcome measures do not truly gauge separate events. In order to determine the degree to which pregnancy and dropping out of school are actually the same indicator, the analysis in Table 5 was performed.

Indeed, the data at the top of the table indicate that these two events are related to one another. While 28.6% of those who became pregnant plan to drop out of school, only 4.7% of those who were not pregnant planned to do so. Therefore, it seemed wise to recompute the difference between Teen Outreach and comparison students in dropping out of school, after removing all those who became pregnant during the year. This analysis appears in the bottom of Table 5 and indicates that Teen Outreach students are still significantly less likely to drop out than are comparison students when the effects of pregnancy are removed.

A more sophisticated way to approach this analysis, and indeed, to include the necessary control for baseline measures of these outcome variables, is to employ multivariate analysis. Table 6 displays data produced from the use of logistic regression. This statistic was chosen because the outcome variables of interest are all dichotomous and are highly skewed.

The analysis indicates that when baseline measures of these variables and grade level are controlled, participation in Teen Outreach continues to have a significant impact on the prevention of dropping out of school, on pregnancy, and on live births.

TABLE 5: IS PREGNANCY RELATED TO DROPPING OUT?

Pregnant this year	Plan to drop out
Yes	28.6%***
No	4.7%

	Total Sample		Not Pregnant This Year	
	Teen Outr.	Comp.	Teen Outr.	Comp.
Failing grades this year	41.9	44.1	41.0	41.7
Suspended this year	20.2	19.8	20.0	17.9
Dropped out or plan to	3.3	8.2**	2.6	6.5**
Pregnant this year	3.5	6.6*	---	---
Live birth this year	0.9	3.5**	---	---

*Difference between participants and comparison students is statistically significant at the .05 level.

**Difference between participants and comparison students is statistically significant at the .01 level.

***Difference between pregnant and not pregnant is statistically significant at .001 level.

TABLE 6: LOGISTIC REGRESSION RESULTS FOR FIVE PROGRAM OUTCOMES

Dependent variable: Failure in school in 1985-86

Independent variables	Estimate	t-value
Constant	-1.577	- 2.40**
Failure in 1984-85	1.605	10.90***
Grade	-0.130	- 2.12*
Participation in Teen Outreach	0.152	1.04

Dependent variable: Suspension from school in 1985-86

Independent variables	Estimate	t-value
Constant	-2.452	- 2.94**
Suspension in 1984-85	2.013	10.73***
Grade	-0.154	- 2.00*
Participation in Teen Outreach	.027	0.15

Dependent variable: Dropping out of school (now or plans to)

Independent variables	Estimate	t-value
Constant	-9.490	- 6.62***
Grade	.473	3.88***
Pregnancy in 1985-86	1.782	4.88***
Participation in Teen Outreach	- 1.053	- 3.07**

Dependent variable: Pregnancy in 1985-86

Independent variables	Estimate	t-value
Constant	-9.096	- 6.11***
Pregnancy before program entry	2.748	7.26***
Grade	0.187	1.44
Participation in Teen Outreach	-0.760	- 2.21*

Dependent variable: Live birth in 1985-86

Independent variables	Estimate	t-value
Constant	-12.912	- 5.42***
Live birth before program entry	3.134	5.58***
Grade	0.318	1.67*
Participation in Teen Outreach	- 1.493	- 2.53**

* estimate is statistically significant at <.05
** estimate is statistically significant at <.01
*** estimate is statistically significant at <.001

It will be recalled from Table 3 that neither grade, nor any other measured demographic characteristic differed between Teen Outreach and comparison students. Still, since grade level (or age) are well known as correlates of the outcome variables of interest, it seemed only wise to control for potential effects of this variable which the bivariate analysis may have obscured.

It should also be noted that the significant impact of participation in Teen Outreach on dropping out of school is net of the impact of pregnancy during the school year. Of course, all of the baseline measures of the outcome variables are sigificantly related to outcomes during 1985-86.

These very positive, and somewhat unusual results for a school-based program, are congruent with Teen Outreach results in 1984-85. During the first year of the national replication, Teen Outreach students were significantly less likely than comparisons to fail courses in school and to become pregnant. Since two years of the national replication effort have produced similar outcomes, these findings appear the more secure.

Factors Related to Success

These very positive national results, of course obscure, the widely varying achievements at each individual site. As Table 7 shows, it is the rare site which has all its outcome measures favoring Teen Outreach participants over comparison students. Moreover, statistical significance is precluded for all but the most dramatic differences at individual sites since the programs tend to enroll fewer than 30 students each.

During the 1985-86 school year, sites with particularly positive results include Winnipeg, Canada; Rockledge High School in Cocoa-Titusville, Florida; Chicago, Illinois; Springfield, Massachusetts, South High School in Minneapolis, Minnesota; St. Joseph, Missouri, Omaha, Nebraska; Orange County, New York; Bloom High School in Cincinnati, Ohio; and Davis High School in Yakima, Washington. The national success of the program is produced by the magnitude of the effects in these sites and by smaller differences in other locations.

Then negative or flat results in other sites raise the question of what factors in the implementation of Teen Outreach might account for these variations. Table 8 offers correlation coefficients to examine the relationship of program factors and participant characteristics to the program outcomes. The coefficients have a theoretical range of +1.0 to -1.0, with larger numbers indicating more association between the two variables. Positive signs indicate that the two indicators are positively or directly related, while negative numbers indicate that they are inversely related.

TABLE 7: SUMMARY RESULTS AT EACH SITE, 1985-86

Site	Indicators of Program Success: Pregnancy	Live Births	School Failure	School Enrollment	School Suspension
TOTAL SAMPLE	+*	+**	+	+**	o
CANADA					
Winnipeg	+	+	+	-	+
FLORIDA					
Cocoa-Titusville	+	+	+**	+	+
Merritt Island	-	o	-	+	+
ILLINOIS					
Chicago	+	+	+	o	+
MASSACHUSETTS					
Holyoke-Collins	+	o	+	o	+
Holyoke-Latham	o	o	-	o	-
Springfield	+	+	o	+**	+
MINNESOTA					
Minneapolis-Henry	-	o	-	+	-
Minneapolis-South	+	+	+*	+	+*
MISSOURI					
St. Joseph	+	+	+	o	+
University City	o	o	+	o	o
NEBRASKA					
Omaha	+	o	+	o	+
NEW YORK					
Rochester-Sperry	-	o	-	-	-
Rochester-Char.	-	o	-	+	+
Orange County	+	+	+	o	+
NORTH CAROLINA					
Greensboro	+	+	-	o	-
OHIO					
Cincinnati-Aiken	-	o	+	-	+
Cincinnati-Bloom	+	+	+*	+	+
Cincinnati-Merry	-	-	-	o	-
Cincinnati-With.	-	-	-	-	-
WASHINGTON					
Yakima-Davis	+	+	+**	+	+
Yakima-Franklin	-	o	-**	o	-**

+ = Teen Outreach Students more successful

o = no difference between Teen Outreach participants and comparison students

- = comparison students more successful

* = difference is statistically significant at .05 level

**= difference is statistically significant at .01 level

These data seem to indicate that neither age nor grade level of the program participants is related to program success, except in the case of the school enrollment indicator, a not-surprising finding. Older students are somewhat more likely to drop out of school than the youngest students, a pattern that may only reflect prevailing laws on school attendance.

However, the percent of sessions of Teen Outreach attended, the number of volunteer hours worked, and the number of hours a student is exposed to Teen Outreach are all positively related to program success. Students who attend more sessions and work more volunteer hours are less likely to become pregnant, to have live births, to fail courses, and to be suspended from school that students with poor attendance and fewer volunteer hours.

This first look at how program variation affects outcomes in Teen Outreach, does not, of course, settle clearly the cause and effect order here, nor does it assure us that these relationships are not spurious. That is, perhaps low attendance at Teen Outreach and poor school performance are both caused by some third set of factors, not yet measured. Still, the analysis does suggest that program should encourage attendance and should truly implement the volunteer component of the program for each student.

TABLE 8: AMONG PARTICIPANTS, WHAT PROGRAM FACTORS SEEM TO BE RELATED TO SUCCESS?

	Indicators of Program Success				
	Pregnancy	Live Births	School Failure	School Leaving	School Suspension
Grade level	.02	-.00	-.06	-.11	-.09
Age	.06	.02	.06	-.16	.01
% of sessions attended	-.14	-.08	-.23	.16	-.22
Volunteer hours worked	-.10	-.06	-.24	.13	-.24
Amount of curric. used	-.08	.01	-.05	-.02	-.01
Hours exposed	-.10	-.08	-.12	.16	-.10

Note: These numbers are Pearsonian correlation coefficients. They vary between -1.0 (a perfect inverse relationship) and +1.0 (a perfect direct relationship). Inverse means that as one variable increases, the other decreases. Direct means that as one variable increases, so does the other.

Program Repeaters

Since the evaluation of Teen Outreach began in earnest in 1984-85, it is possible to examine the impact of the program among students who have remained in it for two consecutive years. In 1985-86 there were 33 students nationwide who chose to stay in Teen Outreach for an additional year.

Table 9 indicates that while suspension, course failure and dropping out of school are all at expectedly low levels, the pregnancy rates among these repeaters are quite high. Some 12 percent of the repeating students in Teen Outreach became pregnant, while only 2.8 percent of the new students did so. The small number of repeaters in this year's sample makes these findings insecure but they suggest the need for additional information. It may be that facilitators encourage those students who they perceive to be most at risk to stay in the program.

TABLE 9: OUTCOME MEASURES AMONG NEW TEEN OUTREACH STUDENTS, COMPARISON STUDENTS, AND PROGRAM REPEATERS

	New Teen Outreach Students (N=444)	Comparison Students (N=542)	Teen Outreach Repeaters (N=33)
Pregnancy	2.8	6.5	12.5
Suspension	20.3	19.7	18.8
Failure	42.9	44.0	31.2
School Dropouts	3.3	8.1	3.1
Live Births	0.8	3.3	3.1

Outcomes at One Year Post-Program

The evaluation design for Teen Outreach has always included provision for locating students at one year after program enrollment has ended. Similarly, location information is also obtained from comparison students. In 1985-86, an effort was made to locate the 1984-85 Teen Outreach students and their comparisons. Of the 302 students on whom data were reported in 1984-85, 198 were located. This loss to follow-up was accounted for almost entirely by two sites that did not attempt one year follow-up (St. Louis and Chicago). In all of the other 1984-85 sites, virtually all the students were located.

Table 10 indicates that at one-year after finishing Teen Outreach, students enrolled in the program are significantly more likely than comparison young people to be enrolled in school or graduated (91.0 vs. 80.6%). This is the only statistically significant difference between the two groups which remains.

It will require additional samples of young people and additional follow-up data collection points to determine the significance of these findings. Certainly, students who have graduated from school are not expected to postpone pregnancy indefinitely. Perhaps a rise in the pregnancy rate among these students is only to be expected. Still, these first one-year follow-up data indicate that the program's impact in encouraging school completion seems to persist after the program has ended.

TABLE 10: ONE YEAR FOLLOW-UP DATA FOR THE 1984-85 TEEN OUTREACH STUDENTS AND COMPARISONS

	1985-86		1984-85		1983-84	
	TO	COMP.	TO	COMP.	TO	COMP.
In school or graduated	91.0	80.6*	93.9	92.4	100.0	100.0
in school	73.0	65.3				
graduated	18.0	15.3				
Failure in school	38.4	37.5	27.2	47.8**	43.9	44.5
Suspended	16.4	10.9	23.7	31.3	23.7	24.4
Pregnant	8.1	10.9	2.5	10.2*	6.2	6.7
Live birth	4.0	3.3	1.8	3.4	4.4	4.2

Note: There are no significant differences in the Teen Outreach and comparison students found at follow-up by age, sex, race, grade, parents' education or number of siblings. 100 of 151 Teen Outreach students and 98 of 151 comparisons were located.

Conclusion

The national replication of Teen Outreach is an unusual effort in many respects. First, the program is growing rapidly. From 151 students enrolled in 1984-85, Teen Outreach grew to 444 students in 1985-86. The number of sites for the program has likewise shown rapid growth, and prospects for 1986-87 are for another substantial multiplication of sites and students.

The replication is also unique in that it incorporated behavior-based evaluation from the beginning. While this strategy is not often employed and can rarely be implemented with the requisite local comparison groups, Teen Outreach has been far sighted in allocating the time and resources to a rigorous evaluation of its efforts.

This second-year evaluation indicates that the program makes a significant difference in pregnancy, live births, and dropping out of school. This is the second year in which Teen Outreach has had such results. The site-to-site variation in the success of Teen Outreach seems related to number of volunteer hours worked and hours spent in the program. In other words, it appears that when Teen Outreach is implemented most fully, the chances for success are greatest.

Analysis of one-year follow-up data from the 1984-85 cohort of Teen Outreach participants indicates that the effects on school enrollment seem to persist for at least one-year post-program.

It is rare that a school-based program of this kind can produce any data on the success of its efforts other than participant testimony. What is certainly rare indeed, is for

such a program to have positive results on concrete, behavioral outcomes and to be able to compare these outcomes with those in a local comparison groups. As of 1985-86, there is reason to be very optimistic about the potential of Teen Outreach in prevention of early pregnancy and promoting school completion.

APPENDIX A: Information on the Sample

TABLE A: LOSS TO FOLLOW-UP IN THE 1985-86 SAMPLE

	Number	Percent
Intake	985	100
Exit	946	96
Loss	39	4

includes 13 participants
26 comparison students

Characteristics	Lost Percent (N=39)	Found Percent (N=946)
Sex		
males	35.9	25.2
females	64.1	74.8
Age		
11-13	10.5	8.0
14-15	65.8	58.7
16-17	23.7	27.5
18-19	0.0	5.8
Average	14.8	15.1
Grade		
7-8	15.8	11.0
9	36.8	40.1
10	31.6	22.2
11-12	15.8	26.7
Average	9.6	9.7
Number of Siblings		
0-1	36.8	27.4
2-4	42.1	54.1
5 or more	21.1	18.5
Average	2.9	2.9
Race/ethnicity		
Black	21.9	33.4
White	62.5	52.6
Hispanic	12.5	9.6
Other	3.1	4.4
Mostly lived with		
Mother and father	68.4	58.1
Other arrangement	31.6	41.9
Mother's education		
High school graduate or less	72.7	69.0
More than high school	27.3	31.0
Father's education		
High school graduate or less	75.0	67.0
More than high school	25.0	33.0
Failing grades last year	28.9	42.2
Suspended last year	23.7	19.6
Pregnant before entry	5.3	4.5
Children before entry	2.6	2.4

APPENDIX B: Detailed Data From Each Site

TABLE A1: Intake Characteristics for Teen Outreach and Comparison Students: Winnipeg, Canada, 1985-86

Characteristics	Participants (N=20)	Comparison Students (N=51)
Sex		
males	5	22
females	15	29
Age		
13-14	12	37
15-16	8	14
Average	14.4	14.3
Grade		
9	10	51
10	10	0
Average	9.5	9.0
Number of Siblings		
0-1	8	8
2-4	12	31
5 or more	0	12
Race/ethnicity		*
NR	20	51
Mostly lived with		
Mother and father	14	38
Other arrangement	6	13
Mother's education		
High school graduate or less	15	27
More than high school	3	4
NR or don't know	2	20
Father's education		
High school graduate or less	10	24
More than high school	3	3
NR or don't know	7	24
Failing grades last year	4	11
Suspended last year	1	3
Prior pregnancy	0	2
One child or more	0	0

* These data are not permitted to be reported at this site.

TABLE A2: Outcome measures for Teen Outreach and Comparison Students, Winnipeg, Canada, 1985-86

Outcome Measure	Teen Outreach Students (N=20)	Comparison Students (N=51)
Failing grades this year		
no	16	30
yes	4	15
NR	0	6
Suspended this year		
no	19	42
yes	1	3
NR	0	6
Continuing in school or graduated		
no	1	0
yes	18	44
NR	1	7
Pregnant this year		
no	20	43
yes	0	1
NR	0	7
Live birth this year		
no	20	44
yes	0	0
NR	0	7

TABLE A3: Intake Characteristics for Teen Outreach and Comparison Students: Rockledge, Florida, 1985-86

Characteristics	Participants (N=23)	Comparison Students (N=23)
Sex		
males	7	7
females	16	16
Age		
13-14	7	8
15-16	15	10
17	1	5
Average	15.3	15.4
Grade		
9-10	10	9
11-12	13	14
Average	10.2	10.4
Number of Siblings		
0-1	11	7
2-4	8	11
5 or more	4	5
Race/ethnicity		
black	4	5
white	19	18
Mostly lived with		
Mother and father	19	19
Other arrangement	4	4
Mother's education		
High school graduate or less	8	9
More than high school	12	10
NR or don't know	3	4
Father's education		
High school graduate or less	7	6
More than high school	13	12
NR or don't know	3	5
Failing grades last year	7	10
Suspended last year	0	2
Prior pregnancy	0	0
One child or more	0	0

TABLE A4: Outcome measures for Teen Outreach and Comparison Students, Rockledge, Florida, 1985-86

Outcome Measure	Teen Outreach Students (N=23)	Comparison Students (N=23)
Failing grades this year		
no	18	8
yes	4	15
NR	1	0**
Suspended this year		
no	22	19
yes	1	4
Continuing in school or graduated		
no	0	2
yes	23	21
Pregnant this year		
no	23	20
yes	0	3
Live birth this year		
no	23	22
yes	0	1

TABLE A5: Intake Characteristics for Teen Outreach and Comparison Students: Merritt Island, Florida, 1985-86

Characteristics	Participants (N=25)	Comparison Students (N=14)
Sex		
males	11	9
females	14	5
Age		
15-16	14	12
17-19	8	2
NR	3	0
Average	16.2	16.0
Grade		
10	7	9
11	7	2
12	8	3
NR	3	0
Average	11.0	10.6
Number of Siblings		
0-1	4	7
2-4	18	7
NR	3	0
Race/ethnicity		
white	21	13
Hispanic	1	0
other	0	1
NR	3	0
Mostly lived with		
Mother and father	16	7
Other arrangement	6	7
NR	3	0
Mother's education		
High school graduate or less	11	7
More than high school	11	7
NR or don't know	3	0
Father's education		
High school graduate or less	11	7
More than high school	10	5
NR or don't know	4	2
Failing grades last year	13	6
Suspended last year	2	2
Prior pregnancy	1	0
One child or more	0	0

TABLE A6: Outcome measures for Teen Outreach and Comparison Students, Merritt Island, Florida, 1985-86

Outcome Measure	Teen Outreach Students (N=25)	Comparison Students (N=14)
Failing grades this year		
no	8	7
yes	17	7
Suspended this year		
no	18	9
yes	7	5
Continuing in school or graduated		
no	0	2
yes	25	12
Pregnant this year		
no	24	14
yes	1	0
Live birth this year		
no	25	14
yes	0	0

TABLE A7: Intake Characteristics for Teen Outreach and Comparison Students: Chicago, Illinois, 1985-86

Characteristics	Participants (N=25)	Comparison Students (N=28)
Sex		
males	1	1
females	24	27
Age		
13-14	5	4
15-16	15	20
17-18	3	4
NR	2	0
Average	15.6	15.6
Grade		
9-10	11	15
11	11	11
12	3	2
Average	10.4	10.2
Number of Siblings		
0-1	8	11
2-4	11	14
5 or more	6	3
Race/ethnicity		
black	19	13
white	3	3
Hispanic	0	10
other	3	2
Mostly lived with		
Mother and father	8	13
Other arrangement	17	15
Mother's education		
High school graduate or less	9	19
More than high school	12	5
NR or don't know	4	4
Father's education		
High school graduate or less	8	14
More than high school	4	5
NR or don't know	13	9
Failing grades last year	9	8
Suspended last year	2	2
Prior pregnancy	0	0
One child or more	0	0

TABLE A8: Outcome measures for Teen Outreach and Comparison Students, Chicago, Illinois, 1985-86

Outcome Measure	Teen Outreach Students (N=25)	Comparison Students (N=28)
Failing grades this year		
no	18	19
yes	6	8
NR	1	1
Suspended this year		
no	22	23
yes	2	4
NR	1	1
Continuing in school or graduated		
no	0	1
yes	24	26
NR	1	1
Pregnant this year		
no	23	24
yes	1	3
NR	1	1
Live birth this year		
no	24	26
yes	0	1
NR	1	1

TABLE A9: Intake Characteristics for Teen Outreach and Comparison Students: Holyoke, Mass.,Peck Jr. High,Collins, 1985-86

Characteristics	Participants (N=20)	Comparison Students (N=23)
Sex		
males	0	0
females	20	23
Age		
11-13	10	11
14-16	10	11
NR	0	1
Average	13.6	13.5
Grade		
7-8	13	14
9	7	8
NR	0	1
Average	8.3	8.3
Number of Siblings		
0-1	4	4
2-4	12	13
5 or more	4	5
NR	0	1
Race/ethnicity		
black	2	3
white	9	11
Hispanic	8	7
other	1	1
NR	0	1
Mostly lived with		
Mother and father	9	8
Other arrangement	11	14
NR	0	1
Mother's education		
High school graduate or less	16	18
More than high school	2	4
NR or don't know	2	1
Father's education		
High school graduate or less	8	6
More than high school	1	3
NR or don't know	11	14
Failing grades last year	6	7
Suspended last year	0	5
Prior pregnancy	0	1
One child or more	0	0

TABLE A10: Outcome measures for Teen Outreach and Comparison Students, Holyoke, Mass., Peck Jr. High, Collins,1985-86

Outcome Measure	Teen Outreach Students (N=20)	Comparison Students (N=23)
Failing grades this year		
no	12	7
yes	8	14
NR	0	2
Suspended this year		
no	17	15
yes	3	6
NR	0	2
Continuing in school or graduated		
no	0	0
yes	20	21
NR	0	2
Pregnant this year		
no	20	20
yes	0	1
NR	0	2
Live birth this year		
no	20	21
yes	0	0
NR	0	2

TABLE A11: Intake Characteristics for Teen Outreach and Comparison Students: Holyoke, Mass.,Peck Jr. High,Lathrop,1985-86

Characteristics	Participants (N=24)	Comparison Students (N=33)
Sex		
males	12	16
females	12	17
Age		
12-14	15	20
15-16	9	13
Average	14.2	14.3
Grade		
7-8	3	9
9	21	24
Average	8.8	8.7
Number of Siblings		
0-1	6	3
2-4	12	24
5 or more	6	6
Race/ethnicity		
black	2	3
white	8	8
Hispanic	14	22
Mostly lived with		
Mother and father	12	19
Other arrangement	12	14
Mother's education		
High school graduate or less	20	30
More than high school	4	2
NR or don't know	0	1
Father's education		
High school graduate or less	15	26
More than high school	5	3
NR or don't know	4	4
Failing grades last year	12	9
Suspended last year	9	10
Prior pregnancy	0	1
One child or more	0	0

TABLE A12: Outcome measures for Teen Outreach and Comparison Students, Holyoke, Mass., Peck Jr. High, Lathrop, 1985-86

Outcome Measure	Teen Outreach Students (N=24)	Comparison Students (N=33)
Failing grades this year		
no	10	17
yes	14	14
NR	0	2
Suspended this year		
no	14	22
yes	10	9
NR	0	2
Continuing in school or graduated		
no	0	0
yes	24	30
NR	0	3
Pregnant this year		
no	24	30
yes	0	0
NR	0	3
Live birth this year		
no	24	30
yes	0	0
NR	0	3

TABLE A13: Intake Characteristics for Teen Outreach and Comparison Students: Springfield, Massachusetts, 1985-86

Characteristics	Participants (N=19)	Comparison Students (N=21)
Sex		
males	4	6
females	15	14
NR	0	1
Age		
14-15	6	7
16-18	9	13
NR	4	1
Average	15.7	16.1
Grade		
8-9	9	7
10-12	6	13
NR	4	1
Average	9.7	10.0
Number of Siblings		
0-1	5	2
2-4	8	18
5 or more	2	0
NR	4	1
Race/ethnicity		
black	4	5
white	8	11
Hispanic	3	3
other	0	1
NR	4	1
Mostly lived with		
Mother and father	8	7
Other arrangement	7	13
NR	4	1
Mother's education		
High school graduate or less	11	12
More than high school	4	8
NR or don't know	4	1
Father's education		
High school graduate or less	9	7
More than high school	3	8
NR or don't know	7	6
Failing grades last year	9	14
Suspended last year	6	9
Prior pregnancy	1	4
One child or more	0	3

TABLE A14: Outcome measures for Teen Outreach and Comparison Students, Springfield, Massachusetts, 1985-86

Outcome Measure	Teen Outreach Students (N=19)	Comparison Students (N=21)
Failing grades this year		
no	3	3
yes	16	18
Suspended this year		
no	10	9
yes	9	12
Continuing in school or graduated		
no	2	11
yes	17	10**
Pregnant this year		
no	16	17
yes	3	4
Live birth this year		
no	19	18
yes	0	3

TABLE A15: Intake Characteristics for Teen Outreach and Comparison Students: Minneapolis, Minn., Henry High School, 1985-86

Characteristics	Participants (N=28)	Comparison Students (N=27)
Sex		
males	9	10
females	19	17
Age		
14-15	13	10
16-17	12	13
18-19	2	4
NR	1	0
Average	15.8	16.0
Grade		
9-10	15	11
11-12	12	16
NR	1	0
Average	10.3	10.7
Number of Siblings		
0-1	4	9
2-4	16	12
5 or more	7	6
NR	1	0
Race/ethnicity		
black	14	12
white	13	13
Hispanic	0	1
other	0	1
NR	1	0
Mostly lived with		
Mother and father	13	12
Other arrangement	14	15
NR	1	0
Mother's education		
High school graduate or less	20	18
More than high school	3	5
NR or don't know	5	4
Father's education		
High school graduate or less	13	16
More than high school	7	3
NR or don't know	8	8
Failing grades last year	20	15
Suspended last year	14	13
Prior pregnancy	2	0
One child or more	1	0

TABLE A16: Outcome measures for Teen Outreach and Comparison Students, Minneapolis, Minn., Henry High School, 1985-86

Outcome Measure	Teen Outreach Students (N=28)	Comparison Students (N=27)
Failing grades this year		
no	7	12
yes	19	12
NR	2	3
Suspended this year		
no	14	19
yes	12	5
NR	2	3
Continuing in school or graduated		
no	0	2
yes	26	22
NR	2	3
Pregnant this year		
no	24	24
yes	2	0
NR	2	3
Live birth this year		
no	26	24
yes	0	0
NR	2	3

TABLE A17: Intake Characteristics for Teen Outreach and Comparison Students: Minneapolis, Minn., South High School, 1985-86

Characteristics	Participants (N=26)	Comparison Students (N=25)
Sex		
males	8	8
females	18	17
Age		
14-15	17	12
16-17	6	9
18	3	4
Average	15.2	15.8
Grade		
9-10	18	17
11-12	8	8
Average	9.9	10.0
Number of Siblings		
0-1	4	4
2-4	12	10
5 or more	10	11
Race/ethnicity		
black	3	2
white	15	13
other	8	10
Mostly lived with		
Mother and father	15	12
Other arrangement	11	13
Mother's education		
High school graduate or less	18	19
More than high school	3	3
NR or don't know	5	3
Father's education		
High school graduate or less	10	18
More than high school	6	1
NR or don't know	10	6
Failing grades last year	21	21
Suspended last year	12	13
Prior pregnancy	2	4
One child or more	1	3

TABLE A18: Outcome measures for Teen Outreach and Comparison Students, Minneapolis, Minn., South High School, 1985-86

Outcome Measure	Teen Outreach Students (N=26)	Comparison Students (N=25)
Failing grades this year		
no	13	5
yes	13	20*
Suspended this year		
no	19	11
yes	7	14*
Continuing in school or graduated		
no	4	9
yes	22	16
Pregnant this year		
no	26	22
yes	0	3
Live birth this year		
no	26	23
yes	0	3

TABLE A19: Intake Characteristics for Teen Outreach and Comparison Students: St. Joseph, Missouri, 1985-86

Characteristics	Participants (N=25)	Comparison Students (N=27)
Sex		
males	2	1
females	21	26
NR	2	0
Age		
14-15	18	19
16-18	5	8
NR	2	0
Average	15.1	15.3
Grade		
9-10	19	20
11-12	4	7
NR	2	0
Average	10.1	10.1
Number of Siblings		
0-1	8	12
2-4	11	12
5 or more	4	3
NR	2	0
Race/ethnicity		
black	1	1
white	21	25
Hispanic	1	0
other	0	1
NR	2	0
Mostly lived with		
Mother and father	15	18
Other arrangement	8	9
NR	2	0
Mother's education		
High school graduate or less	13	18
More than high school	9	8
NR or don't know	3	1
Father's education		
High school graduate or less	14	13
More than high school	7	11
NR or don't know	4	3
Failing grades last year	5	5
Suspended last year	2	1
Prior pregnancy	0	0
One child or more	0	0

TABLE A20: Outcome measures for Teen Outreach and Comparison Students, St. Joseph, Missouri, 1985-86

Outcome Measure	Teen Outreach Students (N=25)	Comparison Students (N=27)
Failing grades this year		
no	22	20
yes	1	6
NR	2	1
Suspended this year		
no	23	25
yes	0	1
NR	2	1
Continuing in school or graduated		
no	0	0
yes	23	25
NR	2	2
Pregnant this year		
no	23	24
yes	0	2
NR	2	1
Live birth this year		
no	23	24
yes	0	2
NR	2	1

TABLE A21: Intake Characteristics for Teen Outreach and Comparison Students: Brittany Woods, University City, Mo., 1985-86

Characteristics	Participants (N=8)	Comparison Students (N=16)
Sex		
males	4	8
females	4	8
Age		
12-13	4	9
14	4	7
Average	13.5	13.4
Grade		
7	0	1
8	8	15
Average	8.0	7.9
Number of Siblings		
0-1	4	7
2-4	3	9
5 or more	1	0
Race/ethnicity		
black	4	13
white	4	3
Mostly lived with		
Mother and father	6	9
Other arrangement	2	7
Mother's education		
High school graduate or less	3	6
More than high school	4	6
NR or don't know	1	4
Father's education		
High school graduate or less	4	7
More than high school	3	5
NR or don't know	1	4
Failing grades last year	2	6
Suspended last year	1	0
Prior pregnancy	0	0
One child or more	0	0

TABLE A22: Outcome measures for Teen Outreach and Comparison Students, Brittany Woods, University City, Mo., 1985-86

Outcome Measure	Teen Outreach Students (N=8)	Comparison Students (N=16)
Failing grades this year		
no	8	14
yes	0	1
NR	0	1
Suspended this year		
no	8	15
yes	0	0
NR	0	1
Continuing in school or graduated		
no	0	0
yes	8	16
Pregnant this year		
no	8	16
yes	0	0
Live birth this year		
no	8	16
yes	0	0

TABLE A23: Intake Characteristics for Teen Outreach and Comparison Students: Omaha, Nebraska, 1985-86

Characteristics	Participants (N=15)	Comparison Students (N=17)
Sex		
males	0	0
females	15	17
Age		
13	1	2
14	14	4
15	0	11
Average	13.9	14.5
Grade		
9	15	17
Average	9.0	9.0
Number of Siblings		
0-1	3	6
2-4	10	10
5 or more	2	1
Race/ethnicity		
black	2	3
white	12	13
Hispanic	1	0
other	0	1
Mostly lived with		
Mother and father	12	14
Other arrangement	3	3
Mother's education		
High school graduate or less	12	12
More than high school	3	3
NR or don't know	0	2
Father's education		
High school graduate or less	12	10
More than high school	3	4
NR or don't know	0	3
Failing grades last year	1	2
Suspended last year	1	1
Prior pregnancy	0	0
One child or more	0	0

TABLE A24: Outcome measures for Teen Outreach and Comparison Students, Omaha, Nebraska, 1985-86

Outcome Measure	Teen Outreach Students (N=15)	Comparison Students (N=17)
Failing grades this year		
no	14	15
yes	1	2
Suspended this year		
no	15	15
yes	0	2
Continuing in school or graduated		
no	0	0
yes	15	16
NR	0	1
Pregnant this year		
no	15	15
yes	0	2
Live birth this year		
no	15	17
yes	0	0

TABLE A25: Intake Characteristics for Teen Outreach and Comparison Students: Sperry High School, Rochester, N.Y., 1985-86

Characteristics	Participants (N=24)	Comparison Students (N=48)
Sex		
males	4	8
females	20	40
Age		
11-13	2	2
14-15	17	38
16-18	5	8
Average	14.9	14.9
Grade		
9	6	11
10	14	29
11-12	4	8
Average	10.0	10.1
Number of Siblings		
0-1	11	14
2-4	12	27
5 or more	1	7
Race/ethnicity		
black	3	4
white	19	41
Hispanic	0	2
other	2	1
Mostly lived with		
Mother and father	20	46
Other arrangement	4	2
Mother's education		
High school graduate or less	8	25
More than high school	16	17
NR or don't know	0	6
Father's education		
High school graduate or less	9	19
More than high school	12	23
NR or don't know	3	6
Failing grades last year	5	16
Suspended last year	4	2
Prior pregnancy	0	0
One child or more	0	0

TABLE A26: Outcome measures for Teen Outreach and Comparison Students, Sperry High School, Rochester, N.Y., 1985-86

Outcome Measure	Teen Outreach Students (N=24)	Comparison Students (N=48)
Failing grades this year		
no	14	32
yes	10	15
NR	0	1
Suspended this year		
no	22	46
yes	2	1
NR	0	1
Continuing in school or graduated		
no	1	0
yes	23	47
NR	0	1
Pregnant this year		
no	23	47
yes	1	0
NR	0	1
Live birth this year		
no	24	47
yes	0	0
NR	0	1

TABLE A27: Intake Characteristics for Teen Outreach and Comparison Students: Charlotte High School, Rochester, N.Y., 1985-86

Characteristics	Participants (N=13)	Comparison Students (N=28)
Sex		
males	4	10
females	9	18
Age		
13-14	2	2
15-16	10	14
17-18	1	12
Average	15.5	16.3
Grade		
9-10	9	18
11-12	4	10
Average	10.1	10.2
Number of Siblings		
0-1	2	5
2-4	6	15
5 or more	5	8
Race/ethnicity		
black	9	20
white	4	8
Mostly lived with		
Mother and father	9	14
Other arrangement	4	14
Mother's education		
High school graduate or less	9	20
More than high school	3	8
NR or don't know	1	0
Father's education		
High school graduate or less	8	16
More than high school	3	4
NR or don't know	2	8
Failing grades last year	7	16
Suspended last year	0	8
Prior pregnancy	2	4
One child or more	2	4

TABLE A28: Outcome measures for Teen Outreach and Comparison Students, Charlotte High School, Rochester, N.Y.,1985-86

Outcome Measure	Teen Outreach Students (N=13)	Comparison Students (N=28)
Failing grades this year		
no	4	15
yes	9	13
Suspended this year		
no	10	20
yes	3	8
Continuing in school or graduated		
no	0	4
yes	13	24
Pregnant this year		
no	11	27
yes	2	1
Live birth this year		
no	12	27
yes	1	1

TABLE A29: Intake Characteristics for Teen Outreach and Comparison Students: Orange County, New York, 1985-86

Characteristics	Participants (N=22)	Comparison Students (N=31)
Sex		
males	4	3
females	18	28
Age		
14-15	16	19
16-18	6	12
Average	15.4	15.5
Grade		
9-10	16	20
11-12	6	11
Average	10.4	10.4
Number of Siblings		
0-1	9	12
2-4	11	15
5 or more	2	4
Race/ethnicity		
black	0	2
white	21	28
Hispanic	1	1
Mostly lived with		
Mother and father	16	17
Other arrangement	6	14
Mother's education		
High school graduate or less	10	18
More than high school	11	10
NR or don't know	1	3
Father's education		
High school graduate or less	11	13
More than high school	7	11
NR or don't know	4	7
Failing grades last year	8	14
Suspended last year	1	4
Prior pregnancy	0	1
One child or more	0	0

TABLE A30: Outcome measures for Teen Outreach and Comparison Students, Orange County, New York, 1985-86

Outcome Measure	Teen Outreach Students (N=22)	Comparison Students (N=31)
Failing grades this year		
no	15	14
yes	5	15
NR	2	2
Suspended this year		
no	19	24
yes	1	5
NR	2	2
Continuing in school or graduated		
no	1	2
yes	20	28
NR	1	1
Pregnant this year		
no	20	24
yes	0	5
NR	2	2
Live birth this year		
no	20	28
yes	0	1
NR	2	2

TABLE A31: Intake Characteristics for Teen Outreach and Comparison Students: Greensboro, North Carolina, 1985-86

Characteristics	Participants (N=9)	Comparison Students (N=15)
Sex		
males	2	2
females	7	13
Age		
16-17	7	11
18-19	2	4
Average	16.9	17.0
Grade		
11	8	8
12	1	7
Average	11.1	11.5
Number of Siblings		
0-1	4	7
2-4	2	8
5 or more	3	0
Race/ethnicity		
black	1	3
white	7	12
other	1	0
Mostly lived with		
Mother and father	4	9
Other arrangement	5	6
Mother's education		
High school graduate or less	4	10
More than high school	4	5
NR or don't know	1	0
Father's education		
High school graduate or less	5	8
More than high school	2	4
NR or don't know	2	3
Failing grades last year	5	5
Suspended last year	3	2
Prior pregnancy	0	0
One child or more	0	0

TABLE A32: Outcome measures for Teen Outreach and Comparison Students, Greensboro, North Carolina, 1985-86

Outcome Measure	Teen Outreach Students (N=9)	Comparison Students (N=15)
Failing grades this year		
no	4	10
yes	5	5
Suspended this year		
no	7	15
yes	2	0
Continuing in school or graduated		
no	1	2
yes	8	13
Pregnant this year		
no	9	14
yes	0	1
Live birth this year		
no	9	14
yes	0	1

TABLE A33: Intake Characteristics for Teen Outreach and Comparison Students: Aiken High School, Cincinnati, Ohio, 1985-86

Characteristics	Participants (N=23)	Comparison Students (N=27)
Sex		
males	7	9
females	16	18
Age		
14-15	6	16
16-17	16	8
18-19	1	3
Average	15.9	15.5
Grade		
9-10	9	17
11-12	14	10
Average	10.6	9.9
Number of Siblings		
0-1	8	6
2-4	6	15
5 or more	8	6
NR	1	0
Race/ethnicity		
black	23	18
white	0	9
Mostly lived with		
Mother and father	11	14
Other arrangement	12	13
Mother's education		
High school graduate or less	17	15
More than high school	4	6
NR or don't know	2	6
Father's education		
High school graduate or less	12	14
More than high school	3	3
NR or don't know	8	10
Failing grades last year	8	9
Suspended last year	0	3
Prior pregnancy	3	3
One child or more	2	3

TABLE A34: Outcome measures for Teen Outreach and Comparison Students, Aiken High School, Cincinnati, Ohio, 1985-86

Outcome Measure	Teen Outreach Students (N=23)	Comparison Students (N=27)
Failing grades this year		
no	19	22
yes	1	5
NR	3	0
Suspended this year		
no	20	25
yes	0	2
NR	3	0
Continuing in school or graduated		
no	1	1
yes	19	25
NR	3	1
Pregnant this year		
no	18	26
yes	2	1
NR	3	0
Live birth this year		
no	19	26
yes	1	1
NR	3	0

TABLE A35: Intake Characteristics for Teen Outreach and Comparison Students: Bloom Jr. High, Cincinnati, Ohio, 1985-86

Characteristics	Participants (N=21)	Comparison Students (N=21)
Sex		
males	2	2
females	19	19
Age		
13-14	14	13
15-16	7	8
Average	14.3	14.3
Grade		
7-8	6	8
9	15	13
Average	8.7	8.6
Number of Siblings		
0-1	3	4
2-4	14	11
5 or more	4	6
Race/ethnicity		
black	18	17
white	3	4
Mostly lived with		
Mother and father	7	6
Other arrangement	14	15
Mother's education		
High school graduate or less	12	14
More than high school	5	3
NR or don't know	4	4
Father's education		
High school graduate or less	11	8
More than high school	2	3
NR or don't know	8	10
Failing grades last year	6	11
Suspended last year	7	9
Prior pregnancy	0	1
One child or more	0	0

TABLE A36: Outcome measures for Teen Outreach and Comparison Students, Bloom Junior High, Cincinnati, Ohio, 1985-86

Outcome Measure	Teen Outreach Students (N=21)	Comparison Students (N=21)
Failing grades this year		
no	13	6
yes	8	15*
Suspended this year		
no	20	14
yes	1	7*
Continuing in school or graduated		
no	0	2
yes	21	16
NR	0	3
Pregnant this year		
no	20	17
yes	1	3
NR	0	1
Live birth this year		
no	21	18
yes	0	2
NR	0	1

TABLE A37: Intake Characteristics for Teen Outreach and Comparison Students: Merry Middle School,Cincinnati, Ohio, 1985-86

Characteristics	Participants (N=13)	Comparison Students (N=13)
Sex		
males	0	1
females	13	12
Age		
12-13	6	8
14-15	7	4
NR	0	1
Average	13.5	13.4
Grade		
7	1	4
8	11	9
9	1	0
Average	8.0	7.7
Number of Siblings		
0-1	2	2
2-4	7	8
5 or more	4	3
Race/ethnicity		
black	11	13
white	2	0
Mostly lived with		
Mother and father	4	3
Other arrangement	9	10
Mother's education		
High school graduate or less	7	6
More than high school	1	5
NR or don't know	5	2
Father's education		
High school graduate or less	4	5
More than high school	4	3
NR or don't know	5	5
Failing grades last year	3	5
Suspended last year	7	10
Prior pregnancy	2	0
One child or more	1	0

TABLE A38: Outcome measures for Teen Outreach and Comparison Students, Merry Middle School, Cincinnati, Ohio,1985-86

Outcome Measure	Teen Outreach Students (N=13)	Comparison Students (N=13)
Failing grades this year		
no	8	10
yes	4	1
NR	1	2
Suspended this year		
no	6	8
yes	6	4
NR	1	1
Continuing in school or graduated		
no	0	0
yes	12	12
NR	1	1
Pregnant this year		
no	11	12
yes	1	0
NR	1	1
Live birth this year		
no	11	12
yes	1	0
NR	1	1

TABLE A39: Intake Characteristics for Teen Outreach and Comparison Students: Withrow High School,Cincinnati, Ohio, 1985-86

Characteristics	Participants (N=17)	Comparison Students (N=17)
Sex		
males	4	3
females	13	14
Age		
13-14	9	5
15-16	8	12
Average	14.4	15.0
Grade		
9	16	12
10-11	1	5
Average	9.0	9.4
Number of Siblings		
0-1	6	4
2-4	8	11
5 or more	2	2
NR	1	0
Race/ethnicity		
black	17	16
other	0	1
Mostly lived with		
Mother and father	11	6
Other arrangement	6	11
Mother's education		
High school graduate or less	6	6
More than high school	9	8
NR or don't know	2	3
Father's education		
High school graduate or less	8	8
More than high school	4	4
NR or don't know	5	5
Failing grades last year	7	4
Suspended last year	2	4
Prior pregnancy	0	0
One child or more	0	0

TABLE A40: Outcome measures for Teen Outreach and Comparison Students, Withrow High School, Cincinnati, Ohio, 1985-86

Outcome Measure	Teen Outreach Students (N=17)	Comparison Students (N=17)
Failing grades this year		
no	5	9
yes	12	8
Suspended this year		
no	8	12
yes	8	5
NR	1	0
Continuing in school or graduated		
no	2	1
yes	15	16
Pregnant this year		
no	15	17
yes	1	0
NR	1	0
Live birth this year		
no	15	17
yes	1	0
NR	1	0

TABLE A41: Intake Characteristics for Teen Outreach and Comparison Students: Davis High School, Yakima, Washington, 1985-86

Characteristics	Participants (N=24)	Comparison Students (N=18)
Sex		
males	8	12
females	15	6
NR	1	0
Age		
14-15	5	10
16-17	3	7
18-19	7	1
NR	9	0
Average	16.7	15.7
Grade		
10	5	14
11	2	2
12	14	2
NR	3	0
Average	11.4	10.3
Number of Siblings		
0-1	4	4
2-4	6	14
5 or more	5	0
NR	9	0
Race/ethnicity		
white	14	15
Hispanic	2	2
other	1	1
NR	7	0
Mostly lived with		
Mother and father	11	13
Other arrangement	4	5
NR	9	0
Mother's education		
High school graduate or less	13	14
More than high school	2	2
NR or don't know	9	2
Father's education		
High school graduate or less	14	14
More than high school	1	2
NR or don't know	9	2
Failing grades last year	12	13
Suspended last year	4	6
Prior pregnancy	3	4
One child or more	3	0

TABLE A42: Outcome measures for Teen Outreach and Comparison Students, Davis High School, Yakima, Washington, 1985-86

Outcome Measure	Teen Outreach Students (N=24)	Comparison Students (N=18)
Failing grades this year		
no	16	3
yes	7	10
NR	1	5**
Suspended this year		
no	21	10
yes	2	3
NR	1	5
Continuing in school or graduated		
no	0	2
yes	23	11
NR	1	5
Pregnant this year		
no	23	[illegible]
yes	0	[illegible]
NR	1	[illegible]
Live birth this year		
no	23	11
yes	0	2
NR	1	5

TABLE A43: Intake Characteristics for Teen Outreach and Comparison Students: Franklin Jr. High School, Yakima, Wash., 1985-86

Characteristics	Participants (N=20)	Comparison Students (N=19)
Sex		
males	8	8
females	10	11
NR	2	0
Age		
12-14	14	12
15-16	4	7
NR	2	0
Average	14.0	14.4
Grade		
8	1	0
9	12	19
NR	7	0
Average	8.9	9.0
Number of Siblings		
0-1	4	5
2-4	4	9
5 or more	5	5
NR	7	0
Race/ethnicity		
white	2	1
black	9	12
Hispanic	3	4
other	0	2
NR	6	0
Mostly lived with		
Mother and father	4	13
Other arrangement	9	6
NR	7	0
Mother's education		
High school graduate or less	9	13
More than high school	4	4
NR or don't know	7	2
Father's education		
High school graduate or less	7	8
More than high school	3	5
NR or don't know	10	6
Failing grades last year	11	10
Suspended last year	6	3
Prior pregnancy	2	0
One child or more	0	0

TABLE A44: Outcome measures for Teen Outreach and Comparison Students,Franklin High School, Yakima, Wash.,1985-86

Outcome Measure	Teen Outreach Students (N=20)	Comparison Students (N=19)
Failing grades this year		
no	3	10
yes	16	8
NR	1	1**
Suspended this year		
no	9	16
yes	10	2
NR	1	1**
Continuing in school or graduated		
no	1	1
yes	18	17
NR	1	1
Pregnant this year		
no	19	17
yes	0	1
NR	1	1
Live birth this year		
no	19	17
yes	0	0
NR	1	2